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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,227	11/18/2003	Michael John Zaple	1-24911	6741
4859	7590 11/16/2004		EXAMINER	
	AN SOBANSKI & TO	JIANG, CHEN WEN		
ONE MARTI	IME PLAZA FOURTH I STREET	ART UNIT	PAPER NUMBER	
TOLEDO, OH 43604-1619			3744	
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DATE MAILED: 11/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/716,227	ZAPLE ET AL.					
Office Action Summary	Examiner	Art Unit					
	Chen-Wen Jiang	3744					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 18 No.	ovember 2003.	•					
2a) ☐ This action is FINAL. 2b) ☒ This	This action is FINAL. 2b)⊠ This action is non-final.						
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 18 November 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 20040223	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Best (U.S. Patent Number 2,870,698).

Best discloses a refrigerating aircraft air conditioning system. The system comprises ram air inlet 20, pressurized air inlet 10, heat exchanger 16. A jet pump (not shown) utilizing engine bleed air from the manifold 10 can be incorporated to induce flow through the heat exchanger 16 and the ram air conduits 20 and 22 when necessary. A throttle valve 30, preferably automatically operated responsive to temperature or to temperature change, is disposed in the conduit 24 to control the flow in the cold air circuit.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Biagini (U.S. Patent Number 4,312,191) in view of Best (U.S. Patent Number 2,870,698) or Rannenberg (U.S. Patent Number 4,209,993).

Biagini discloses an environmental control system for aircraft. Referring to Figs.3 and 3a, the system comprises ram air inlet 60, heat exchanger 12, precooler 20 and ejector 90. The conduit 91 may be connected to and receive air under pressure from flow path 47 or flow path 37. The presence of the ram air ejector 90 will preclude the need for the electric fan 68. However, Biagini does not disclose temperature control valve. Best and Rannenberg (Fig.2) disclose temperature sensor at the downstream of the heat exchanger and used to control the ram air flow in the same field of endeavor for the purpose of temperature control. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the apparatus of Biagini with a temperature sensor at the downstream of the heat exchanger and used to control ram air flow in view of Best or Rannenberg so as to control temperature.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chen-Wen Jiang whose telephone number is (703) 308-0275 (571 272-4809 after 11/20/2004). The examiner can normally be reached on Tuesday-Friday from 7:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Chen-Wen Jiang Primary Examiner

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